

Mr. Walter C. Matthews
Hamilton Foundry & Machine Company, Decatur Casting Division
822 Dayton Avenue
Decatur, Indiana 46733

Re: **001-11625**
First Administrative Amendment to
Part 70 001-6264-00002

Dear Mr. Matthews:

Hamilton Foundry & Machine Company, Decatur Casting Division applied for a Title V permit on July 15, 1996 for a stationary gray iron foundry. In this Title V application, the source is proposing to take a sourcewide limit to be a PSD minor source. A letter requesting the removal of testing requirements from the Significant Source Modification (SSM) 001-10839-00002 issued on September 21, 1999, was received on December 7, 1999. The current Significant Source Modification testing requirements state that the emissions from the baghouse must be tested to verify compliance with the PSD minor limit for the one (1) Pangborn 34 CF Rotoblast castings cleaner. As the testing requirements shall not be removed from the Significant Source Modification or delayed until after the Title V permit's issuance, the testing requirements in SSM have been revised to clarify that the testing can also satisfy the testing requirements of the Title V. To accomplish this, the source must test the emissions from the baghouse E-3 controlling all three shotblasting units. The results of the stack testing must also show compliance with the proposed limit in the Title V permit, which will require that:

- (1) The total particulate matter (PM) emissions from the baghouse E-3 controlling all three shotblast units shall not exceed 1.65 pounds per hour, and
 - (2) The total PM10 emissions from the baghouse E-3 controlling all three shotblast units shall not exceed 1.67 pounds per hour.
- (a) The PSD minor limit applies to the emissions from the baghouse stack. Condition D.1.4, Testing Requirements of the SSM has been modified to note that there are two other units venting to the baghouse stack in addition to the Pangborn 34 CF Rotoblast castings cleaner, and that the stack testing must be conducted for all three shotblast units venting to baghouse E-3. This will be evaluated during Title V review to determine if it will satisfy the testing requirements when the Title V permit is issued.

Pursuant to the provisions of 326 IAC 2-7-11 the Significant Source Modification 001-10839-00002 is hereby administratively amended as follows:

D.1.4 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

An initial compliance stack test shall be conducted within 60 days after achieving the maximum production rate, but no later than 180 days after initial start-up. The Permittee shall perform PM and PM-10 testing **on the baghouse E-3 controlling all three shotblast units** utilizing Methods 5 or 17 (40 CFR 60, Appendix A) for PM and Methods 201 or 201A and 202 (40 CFR 51, Appendix M) for PM-10, or other methods as approved by the Commissioner, to demonstrate compliance with Conditions D.1.1 and D.1.2. PM-10 includes filterable and condensable PM-10. In addition to these requirements, IDEM may require compliance testing when necessary to

determine if the emissions unit is in compliance.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Phillip Ritz, c/o OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, press 0 and ask for extension (3-6878), or dial (973) 575-2555, extension 3241.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments
PR/EVP

cc: File - Adams County
U.S. EPA, Region V
Adams County Health Department
Air Compliance Section Inspector Jim Thorpe
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michelle Boner

PART 70 SIGNIFICANT SOURCE MODIFICATION OFFICE OF AIR MANAGEMENT

**Hamilton Foundry & Machine Company
Decatur Casting Division
822 Dayton Avenue
Decatur, Indiana 46733**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this approval.

This approval is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Significant Source Modification No.: SSM 001-10839-00002	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:
First Administrative Amendment: 001-11625	Pages Affected:
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	

- (d) The castings cleaner identified as Pangborn 14 CF Tumblast, with a maximum capacity of 3.0 tons of gray iron castings per hour, is removed from service. The respective contemporaneous PM and PM10 emissions decrease due to the removal of the castings cleaner is 1.1 tons per year and 0.1 tons per year.

These conditions, including the contemporaneous emissions decrease, limit the potential to emit PM and PM10 to less than twenty-five (25) and fifteen (15) tons per 12 consecutive month period, respectively. Compliance with these requirements make 326 IAC 2-2 and 40 CFR 52.21 (Prevention of Significant Deterioration) not applicable to this modification.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the Pangborn 34 CF Rotoblast castings cleaner and its control device.

Compliance Determination Requirements

D.1.4 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

An initial compliance stack test shall be conducted within 60 days after achieving the maximum production rate, but no later than 180 days after initial start-up. The Permittee shall perform PM and PM-10 testing on the baghouse E-3 controlling all three shotblast units utilizing Methods 5 or 17 (40 CFR 60, Appendix A) for PM and Methods 201 or 201A and 202 (40 CFR 51, Appendix M) for PM-10, or other methods as approved by the Commissioner, to demonstrate compliance with Conditions D.1.1 and D.1.2. PM-10 includes filterable and condensable PM-10. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the emissions unit is in compliance.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.5 Visible Emissions Notations

- (a) Daily visible emission notations of the baghouse E3 stack exhaust shall be performed at least once per shift during normal daylight operations when the Pangborn 34 CF Rotoblast castings cleaner is operating and exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.